

### Abstract

A resistive touchscreen having a programmable display, such as an emissive display matrix of organic light-emitting diodes, or a reflective electronic paper display, built into the coversheet. The touchscreen may be of any resistive  
5 type, including 4-wire, 5-wire, and diode 3-wire. A touch/display system is thus provided in which there is little or no degradation of the displayed image due to image transmission through the internal touch sensor components, and in which the internal touch sensor components may be constructed of opaque materials.